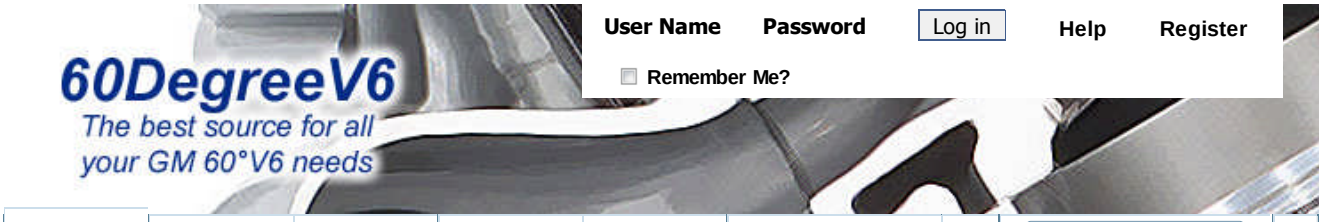

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3.1L (Gen 1) Specifications

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General Data: All dimensions are in millimeters			
Type			60 degree V6
Displacement			3.1L
RPO			LH0
Bore			89.0
Stroke			84.0
Deck Height			224
Compression Ratio			8.8:1
Firing Order			1-2-3-4-5-6
Oil Pressure			69 kPa @500 RPM; 205-380 kPa @ 2000 RPM (10 psi @ 500 RPM; 30-55 psi @ 2000R RPM)
Cylinder Bore:			
Diameter			89.02-89.03
Out of Round			0.013 (Maximum)
Taper - Thrust Side			0.013 (Maximum)
Maximum Deck Warpage			0.13
Piston:			
Clearance			0.023-0.056
Piston Ring:			
COMPRESSION	Groove Clearance	Top	0.051-0.089
		Second	0.051-0.089
	Gap	Top	0.25-0.51
		Second	0.51-0.071
OIL	Groove Clearance		0.20(Maximum)
	Gap		0.25-0.76

Fastener Tightening Specifications

Item
Camshaft Sprocket Bolt
Connecting Rod Cap Nut
Crankshaft Damper Bolt
Cylinder Head Bolt (In Sequence) (apply thread sealant to bolts)
First Pass
Final Pass
Manifold Side 6 2 3 7 5 1 4 8 * Outer Side *
Exhaust Manifold Bolt
Flexplate/Flywheel Bolt
Front Timing Cover Case Bolt
8mm
10mm
Lower Intake Manifold (In Sequence)
First Pass
Final Pass
Upper Intake Manifod Bolt
Main Bearing Cap Bolt
First Pass
Final Pass
Oil Filter Adapter
Oil Pan Rear Bolts
Oil Pan Bolt and Nut (Except Rear 2)
Oil Pump Bolt
Rocker Arm Stud
Belt Tensioner
Throttle Body Bolts
Timing Chain Damper Bolt

Water Pump Pulley Bolt
Water Pump
Large
Medium
Small
Exhaust Heat Shield Nut
Valve Cover Bolt

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